MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

SEPTEMBER, 1937

J. A. BROWN, DIRECTOR

Printed at the American Press
Beirut, Syria

SEPTEMBER 1937

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	55.3	54.7	55.4	55.1	32.5	23.6	28.3	32.2	28.1	29.5
2	6.5	6.4	7.3	6.7	31.7	23.6	29.2	30.6	25.4	28.4
3	8.0	7.7	8.7	8.1	32.6	24.1	29.1	32.1	25.6	28.9
4	8.7	7.7	7.9	8.1	31.8	24.3	29.6	30.9	25.4	28.6
5	8.0	7.3	7.9	7.7	32.4	24.6	27.8	32.0	25.7	28.5
6	58.6	58.3	58.1	58.3	31.4	23.2	28.6	30.3	26.1	28.3
7	8.6	7.9	8.0	8.2	31.6	23.9	28.8	30.4	25.9	28.4
8	7.9	7.6	8.3	7.9	32.2	25.1	28.8	31.2	25.7	28.6
9	9.2	8.4	9.0	8.9	31.2	25.6	28.1	29.2	26.2	27.8
10	9.0	8.1	8.9	8.7	30.8	24.2	30 3	29.6	26.1	28.7
11	59.2	58.9	59.1	59.1	32.0	24.6	29.4	30.6	26.9	29.0
12	60.2	9.2	9.1	9.5	32 6	23.2	29.6	32.0	25.3	29.0
13	58.3	7.0	8.1	7.8	33.1	23.5	28.5	32.8	25.6	29.0
14	8.5	8.4	8.6	8.5	31.6	23.0	28.2	31.2	25.1	28.2
15	9.2	7.8	8.5	8.5	32.1	23.1	27.4	31.5	25.1	28.0
16	58.3	57.7	58.3	58.1	31.9	23.3	27.1	30.9	25.7	27.9
17	9.1	8.0	8.4	8.5	30.7	23.0	27.0	29.8	25.2	27.3
18	8.4	8.1	8.0	8.2	30.9	23.7	28.1	30.3	25.5	28.0
19	7.9	7.1	7.4	7.5	31.1	23.9	28.8	30.4	25.6	28.3
20	8.0	8.3	9.1	8.5	32.1	25.2	28.8	30.2	26.3	28.4
21	60.2	60.3	60.0	60.2	31.7	23.1	29.2	30.4	26.7	28.8
22	59.7	58.7	58.7	59.0	31.1	23.6	28.1	30.3	27.2	28.5
23	9.1	7.8	7.7	8.2	30.8	24.4	28.0	30.4	26.6	28.3
24	8.9	8.0	8.1	8.3	31.8	24.6	28.3	30.9	27.4	28.9
25	60.4	9.1	9.5	9.7	31.4	24.2	28.8	30.4	26.7	28.4
26	61.0	60.2	60.4	60.5	31.3	23.3	28.4	30.7	26.4	28.5
27	59.2	57.7	54.9	57.3	31.6	22.2	27.5	30.7	26.5	28.2
28	6.9	6.0	5.8	6.2	31.1	23.2	24.1	29.9	24.7	26.2
29	6.9	6.3	6.9	6.7	31.6	22 8	26.7	30.2	25.9	27.6
30	9.4	8.3	60.1	9.3	30.5	22.9	27.9	30.1	24.7	27.6
	758.62	757.90	758.21	758.24	31.64	23.77	28.28	30 74	25.94	28.33

Barometer, range for month 754.7 mm.–761.0 mm.

,, 50-yr. average for month 758.957 mm.

Thermometer, range for month 22.2° C.—33.1° C.

,, 50-yr. average for month 27.13° C.

Rain, total for month ... mm.

,, , 50-yr. average for month 7.37 mm.

,, , total, Sept. 1st to end of month .... mm.

,, 50-yr. average, Sept. 1st to end of month 7.37 mm.

SEPTEMBER 1937
METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	25.1	26.5	24.2	20.8	20.8	19.2	20.3	73	58	68	66	12.2	
2	22.5	23.9	21.9	15.5	17.0	16.9	16.5	52	52	70	58	12.2	
3	22.2	24.8	22.1	15.0	17.7	17.0	16.6	50	50	70	57	11.2	
4	24.0	24.9	23.3	17.9	18.6	19.6	18.7	58	56	80	65	10.4	
5	23.8	25.8	23.9	18.6	19.6	20.6	19.6	67	56	84	69	10.0	
6	23.8	23.8	22.0	18.1	16.9	16.6	17.2	62	52	65	60	8.3	
7	22.9	23.9	21.9	16.4	17.1	16.5	16.7	56	53	67	59	9.9	
8	23.7	24.8	22.2	17.7	18.2	17.2	17.7	59	53	70	61	8.7	
9	24.2	24.3	23.8	19.2	18.7	19.9	19.3	68	62	79	70	3.5	
10	25.1	24.8	23.6	19.3	19.4	19.5	19.4	59	62	77	66	5.3	
11	25.0	25.5	24.8	22.5	20.0	21.5	21.3	72	61	82	72	7.0	
12	24.8	25.9	23.3	19.3	19.7	19.5	19.5	62	56	82	67	9.8	
13	23.9	25.6	23.4	18.3	18.6	19.6	18.8	63	50	80	64	10.0	
14	24.0	24.9	23.3	18.7	18.4	19.9	19.0	66	54	83	68	10.0	
15	24.3	25.9	24.3	20.0	20.1	22.0	20.7	73	58	92	74	9.5	
16	24.3	25.5	24.4	20.0	19.8	21.7	20.5	76	59	88	74	8.1	
17	22.5	23.2	22.8	16.8	16.3	18.6	17.2	63	52	78	64	8.8	
18	22.4	24.4	23.4	16.0	18.1	19.6	17.9	56	56	80	64	9.3	
19	24.7	25.3	23.4	19.6	19.7	19.7	19.7	67	61	80	69	9.3	
20	25.3	24.1	23.7	20.8	17.5	19.6	19.3	71	55	77	68	9.1	
21	23.2	26.0	23.2	15.0	21.2	18.3	18.2	50	65	70	62	9.4	
22	23.8	24.3	23.5	18.5	18.0	18.5	18.3	66	55	69	63	9.5	
23	23.7	24.3	23.2	18.4	17.8	18.4	18.2	65	55	70	63	9.3	
24	25.4	26.1	23.9	21.6	20.9	19.1	20.5	75	63	71	70	9.3	
25	24.9	25.9	23.7	20.2	21.0	19.4	20.2	69	64	74	69	9.3	
26	25.1	26.1	23.4	20.6	21.2	18.9	20.2	71	64	74	70	9.4	
27	24.7	26.1	23.2	20.6	21.2	18.5	20.1	76	64	71	70	9.4	
28	21.6	24.4	22.6	16.5	18.3	18.7	17.8	73	58	91	71	9.3	
29	22.8	24.8	21.5	17.5	18.9	15.8	17.4	67	59	63	63	9.3	
30	22.8	23.8	22.6	17.2	17.0	18.7	17.6	63	53	81	66	9.4	
				18.55	18.92	18.97	18.81	64.9	57.2	75.7	66.1	9.21	

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50 year averages are for period, 1875-1924

SEPTEMBER 1937

METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Kms.		
1	4cu	3cu	2cu	3.0	3s	3sw	3sw	359.0	slight	
2	3cu	0	5cu	2.7	3s	3s	2sw	342.4	„	mist on sea a.m.
3	0	4cu	7cu	3.7	1se	1s	1s	121.5	„	„ „ „ „
4	6cicu	2cu	4ci	4.0	1e	1s	1s	67.4	„	„ „ „ „
5	3cu	4cu	10cu	5.7	1n	2s	2s		calm	„ „ „ „
6	3cu	8cu	3cu	4.7	3sw	3w	3s	378.0	mod.	
7	4cu	8cu	4cu	5.3	3w	3w	2sw	314.5	„	
8	3cu	7cu	3cu	4.3	3s	2s	2s	216.8	slight	mist on sea a.m.
9	9cu	10cu	10cu	9.7	2s	2s	1se	188.6	rough	thick hz. on sea a.m.
10	6cicu	10cu	8cu	8.0	2s	3w	3e	295.0	mod.	mist on sea a.m.
11	3cu	10cu	2cu	5.0	3s	4n	5n	533.0	„	
12	0	0	0	0.0	2se	2n	2nw	199.0	slight	
13	0	0	0	0.0	2e	2s	2se	311.0	„	
14	0	0	0	0.0	4sw	2sw	2sw	281.0	„	
15	0	0	5cu	1.7	3sw	3sw	2n	209.6	calm	
16	8cu	8cu	10cu	8.7	2n	2n	1n	206.9	slight	
17	7cu	0	5cu	4.0	2n	3sw	2sw	276.3	calm	
18	2cu	3cu	9cu	4.7	3sw	3sw	1sw	201.6	„	
19	1cu	0	0	0.3	2sw	3sw	3sw	298.0	slight	mist on sea a.m.
20	0	0	0	0.0	3se	4n	5n	503.7	mod.	„ „ „ „
21	0	0	0	0.0	1nw	3nw	3n	296.0	„	„ „ „ „
22	0	0	0	0.0	2s	2n	2n	195.3	slight	„ „ „ „
23	2cu	0	4cu	2.0	1ne	2ne	3ne	283.2	calm	„ „ „ „
24	4cu	0	6stcu	3.3	2sw	3ne	3ne	246.4	„	„ „ „ „
25	9stcu	0	3cu	4.0	1sw	3ne	2ne	230.2	slight	„ „ „ „
26	7cu	0	2cu	3.0	2n	2ne	1ne	172.0	„	„ „ „ „
27	2cu	0	0	0.7	3sw	3ne	2ne	230.2	„	
28	0	0	0	0.0	1s	1w	2sw		„	
29	2cu	0	0	0.7	1sw	2sw	2sw		„	haze on sea a.m.
30	0	0	0	0.0	1s	3n	3s	244.4	„	„ „ „ „
31										
				2.97	63 / 2.1	75 / 2.5	68 / 2.3	257.18		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	4	1	2	3	9	9	1	1	0	30
14:30	6	5	0	0	7	7	4	1	0	30
20:30	6	5	1	2	6	9	0	1	0	30
Totals	16	11	3	5	22	25	5	3	0	90

Number of days with rain 0, fog 0, thunderstorm 0, gales 0.

50 yr. average number of days with rain during month 1.2